

REMARKS

Claims 1-14 are pending in the application. In the non-final Office Action dated April 19, 2007, the Examiner made the following disposition:

- A.) Objected to claim 14.
- B.) Rejected claims 7 and 14 under 35 U.S.C. 101.
- C.) Rejected claims 1-14 under 35 U.S.C. §102(b) as allegedly being anticipated by *Bracho, et al. (U.S. Patent No. 6,021,443)*("Bracho").

Applicant respectfully traverses the rejection and addresses the Examiner's disposition below.

A.) Objection to claim 14:

Claim 14 has been amended as per the Examiner's request to overcome the objection.

Applicant respectfully submits the objection has been overcome and requests that it be withdrawn.

B.) Rejection of claims 7 and 14 under 35 U.S.C. 101:

Claims 7 and 14 have been amended as per the Examiner's request to overcome the rejection.

Applicant respectfully submits the rejection has been overcome and requests that it be withdrawn.

C.) Rejection of claims 1-14 under 35 U.S.C. §102(b) as allegedly being anticipated by *Bracho, et al. (U.S. Patent No. 6,021,443)*("Bracho"):

Applicant respectfully traverses the rejection.

Applicant's independent claims 1, 7, 13, and 14 each claim subject matter relating to providing a datatype that has a metadata that describes a data and a reference to the data. The data is maintained separately from the datatype. The metadata includes a key that enables the datatype to be joined with other datatypes having the key in their respective metadata. The datatype is published. A subscriber asynchronously receives the datatype responsive to subscribing to the datatype, subscribes to the other datatypes responsive to identifying the key in the received datatype, and asynchronously receives the other datatypes that have the key in their respective metadata responsive to subscribing to the other datatypes.

This is clearly unlike *Bracho*, which fails to disclose or suggest a subscriber that subscribes to additional datatypes having a key responsive to identifying the key in an asynchronously received datatype, and asynchronously receives the other datatypes that have the key in their respective metadata responsive to subscribing to the other datatypes. *Bracho* discloses a publish-subscribe system in which subscribers can asynchronously receive information that is published by publishers. Unlike Applicant's claimed invention, nowhere does *Bracho* teach or suggest a subscriber receiving a datatype and then subscribing to other datatypes based on a key identified in the first-received datatype. This is simply not discussed in *Bracho*. The Examiner cites to *Bracho* 2:23-25 and 5:15-22, however, these passages merely describe that *Bracho*'s subscriber is guaranteed to receive events to which it subscribes from the publisher. This is unrelated to the subscriber identifying a key in a received datatype, let alone subscribing to additional datatypes after identifying the key in the received datatype. Nowhere does *Bracho* teach or suggest a subscriber receiving a datatype and then subscribing to other datatypes based on a key identified in the first-received datatype.

For at least these reasons, *Bracho* fails to disclose or suggest claims 1, 7, 13, and 14.


Claims 2, 4-6, 8, and 10-12 depend directly or indirectly from claim 1 or 7 and are therefore allowable for at least the same reasons that claims 1 and 8 are allowable.

Applicant respectfully submits the rejection has been overcome and requests that it be withdrawn.

CONCLUSION

In view of the foregoing, it is submitted that claims 1-14 are patentable. It is therefore submitted that the application is in condition for allowance. Notice to that effect is respectfully requested.

Respectfully submitted,

 (Reg. No. 45,034)
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